

# **INFORMATION HANDOUT**

**For Contract No. 08-1F4704**

**At 08-SBd-178-0.0/7.5**

**Identified by**

**Project ID 0814000229**

## **MATERIALS INFORMATION**

Coring Information

ADDED PER ADDENDUM NO. 1 DATED MARCH 24, 2015

## Memorandum

**To:** Mike Ristic,  
Maintenance Engineering

**Date:** October 07, 2014

**File:** 08-SBd-178 PM 0.0/14.8  
EA 08-1F470

**From:** DEPARTMENT OF TRANSPORTATION  
Bruce W. Kean, District 8 Materials Engineer



**Subject:** Core Information Handout

As requested by your office, we are providing a Core Information Handout you requested on July 27, 2014

Materials Engineering branch performed a field investigation on June 26, 2014. Task included, photographs of Highway 178 within the project limit, taking soil samples for R-value tests, evaluate existing pavement condition, and obtain AC pavement cores and thickness measurements. The District lab returned the test results on July 27, 2014.

**Attachments:**

- (1) Field Investigation coversheet with R-value lab results.
- (2) Location of Cores and Measurements.
- (3) Photographs of Highway 178 and Core samples.

**Closing:** If you have any questions, call Ali Taha of my staff at (909) 806- 3979 or myself at (909) 888- 2029.

## MATERIALS ENGINEERING FIELD INVESTIGATION WORKSHEET

Date 06/26/14

EA 08-1F470 PN 0814000229 County SBd Route 178 PM 0.0 / 14.8

Description of Work: Cold In-Place Recycle

### EXISTING FACILITY

A. Type of Highway:

Two lane highway with an elevation ranges between 1700' to 2200' shoulder varies between 0' to 6' and mostly flat slopes on both sides.

B. Intersecting Streets:

The paved intersections within project limit are Randsburg Wash Rd, and Trona Rd. There are several unpaved roads and driveways too.

C. Type and Condition of Pavement:

The general structural section of the pavement is chip seal over asphalt concrete and roadway mix or native material. Cores indicate the depth of asphalt concrete and roadway mix range between 0.34 foot to 0.80 foot. A few core samples were delaminated and the bottom layers of some cores were cracked.

This section of Route 178 shows many signs of distress. There are sections of pavement discoloration, severe fatigue cracking, block cracking, longitudinal cracking and transverse cracking.

D. Shoulderbacking:

Native Material.

E. Traffic Conditions:

Automobile and truck traffic were light.

### CUTS AND EMBANKMENTS

F. Soil Description:

Soil samples were observed in two locations.

PM 5.0 the soil appeared to be a Silty Sand

PM 10.0 the soil appeared to be a Silty Sand

G. Condition of Slopes:

The slopes appeared to be maintained with some erosion.

CULVERTS

H. Type and Size of Culverts:

The culverts observed were CMP with flared end section and mainly 18" and 24" in diameter.

I. Condition of Culverts:

Most of the culverts were clean and in good condition with new flared end section, a few were filled with sand and brushes. Some appeared shallow with PCC cover.

SAMPLING INFORMATION

Number and Location of Soil Samples

4173B Rte 178 PM 5.0 25' LT of Center Line.

4172B Rte 178 PM 10.0 27' RT of Center Line.

Required Testing Gradation, R-Value, pH and Resistivity, Plasticity Index

Date Sent to Lab June 30, 2014

Depth of Samples 1.5' to 3.5' Below Original Ground

Personnel Present:

Ali Taha, Transportation Engineer

David Bailey, Materials & Research Engineering Associate

John Barrett, Materials & Research Engineering Associate

District 9 Maintenance Crew

# SRL SOIL & AGGREGATE TESTS

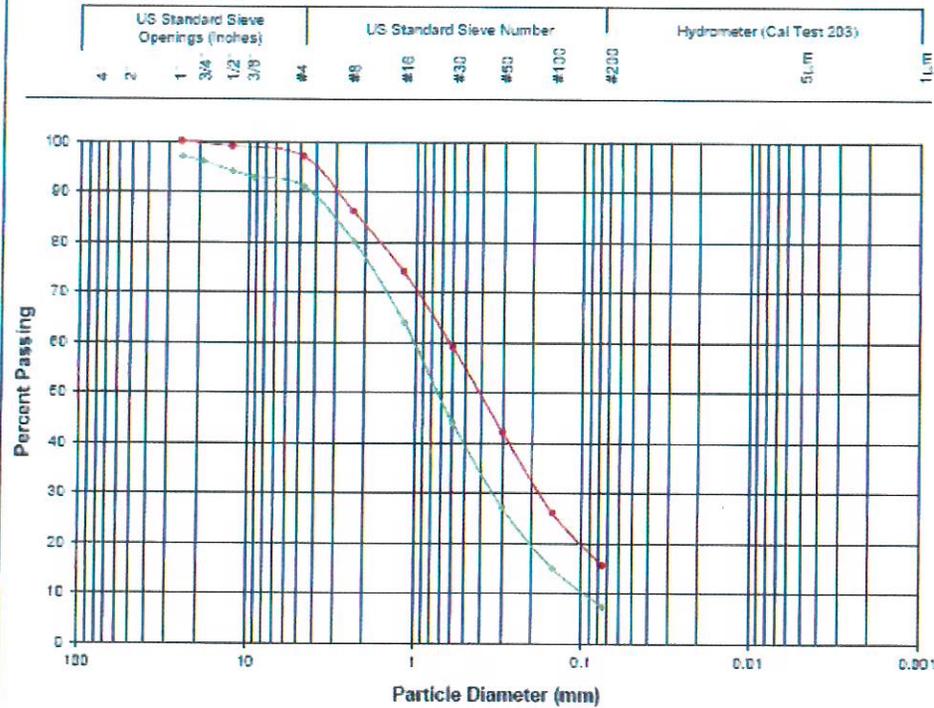
Sample of: Soil		SRL Lab. Stamp		081F470		4172B																																																																																					
Sampled from: SBD-176 - PM 10 - E/B 20' off ETW		By: _____ for		CONTRACT NO.		SAMPLE NO.																																																																																					
Material Source:		D. OZOWARA		DATE RCVD: 6/30/14		DATE OUT: 7/23/14																																																																																					
Owner Mfr.:		SRL Material: Engineer		NUMBER OF CONTAINERS: 1 Bag		By: FAX MAIL PHONE OTHER																																																																																					
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GRADING ANALYSIS		Address:		TEST(S) REQUESTED																																																																																							
Total Wt. 17489 g		SOUTHERN REGIONAL LABORATORY		<input checked="" type="checkbox"/> Fine Grade 202 ✓ <input checked="" type="checkbox"/> Course Grade 202 ✓ <input type="checkbox"/> Filler Material 202 <input type="checkbox"/> Mech. Analysis 203 <input type="checkbox"/> Plasticity Index 204 <input type="checkbox"/> % Crushed Particles 205 <input type="checkbox"/> Sp.G. Course 206 <input type="checkbox"/> Sp.G. Fine (SSD) 207 <input type="checkbox"/> Sp.G. of Soils 209 <input type="checkbox"/> L.A.R.T. 211 <input type="checkbox"/> Unit Wt. 212 <input type="checkbox"/> Organic Impurities 213 <input type="checkbox"/> Soundness 214 <input type="checkbox"/> Relative Compaction 216 <input type="checkbox"/> Sand Equivalent 217 <input type="checkbox"/> Moisture Content 226 <input type="checkbox"/> Cleaness Value 227 <input type="checkbox"/> Durability Fine 229 <input type="checkbox"/> Durability Course 229 <input type="checkbox"/> Flat & Elongated ASTM D 4791 <input type="checkbox"/> R-Value 301 ✓ <input type="checkbox"/> Fine Agg Angularity AASHTO T 304 <input type="checkbox"/> Moistur Strength 515 <input type="checkbox"/> pH (RC) 532 <input type="checkbox"/> Resistivity (RC) 532 <input type="checkbox"/> pH (CMP) 643 ✓ <input type="checkbox"/> Resistivity (CMP) 643 ✓ <input type="checkbox"/> Expansion Index UBC-29-2 <input type="checkbox"/> Max Dry Density ASTM D 1557 <input type="checkbox"/> Opt. Moist Content																																																																																							
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Dura-Fine		R2/R1 =		LAB NO.																																																																																							
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# SRL SOIL & AGGREGATE TESTS

Sample of: Soil										SRL Lab. Stamp					0 8 1 F 4 7 0		4173B					
Sampled from: SBJ-178 - PM 5.0 - W/B 25' from ETW										By _____ for					CONTRACT NO.		SAMPLE NO.		LAB. NO.			
Material Source:										D. OZOWARA					DATE RCVD. 6/30/14		DATE 7/23/14		By: FAX			
Owner Mfr.:										SRL Material: Engineers					NUMBER OF CONTAINERS 1 Bag		MAIL		PHONE			
Date Sampled: 6/28/14										R.E.:					PRIORITY <input checked="" type="checkbox"/>		DATE NEEDED		OTHER			
GRADING ANALYSIS										SOUTHERN REGIONAL LABORATORY					TEST(S) REQUESTED		SAMPLE TYPE					
Total Wt: 20162 g By: _____ Date: _____										13970 Vietnam Street					<input checked="" type="checkbox"/> Fine Grade 202		<input checked="" type="checkbox"/> A.B.		<input checked="" type="checkbox"/> RCC			
Wt. Ret. Size (mm) Acc. Wt. Ret. % Ret. % Pass % Pass SPEC										Fontana, CA 92336					<input checked="" type="checkbox"/> Coarse Grade 202		<input checked="" type="checkbox"/> A.S.		<input checked="" type="checkbox"/> BRFH			
										Phone: (909) 359 9039					<input checked="" type="checkbox"/> Filler Material 202		<input checked="" type="checkbox"/> EMB		<input checked="" type="checkbox"/> MFC			
										Fax: (909) 629 6294					<input checked="" type="checkbox"/> Mech. Analysis 203		<input checked="" type="checkbox"/> O.G.		<input checked="" type="checkbox"/> Sub-Grade			
										R-VALUE BATCH					<input checked="" type="checkbox"/> Plasticity Index 204		<input checked="" type="checkbox"/> A.C. Agg		<input checked="" type="checkbox"/> SOE			
										% CRUSHED PARTICLES SPEC					<input type="checkbox"/> % Crushed Particles 205				TL-101 S.I.C. NO.			
										% Ret. at (Wt. Cr. Test Wt.) = Prod					<input type="checkbox"/> Sp.G. Coarse 206							
										Wet					<input type="checkbox"/> Sp.G. Fine (SSD) 207							
										No. 4 =					<input type="checkbox"/> Sp.G. of Seal 209							
										% CP = P.R.					<input type="checkbox"/> L.A.R.T. 211							
										Wet					<input type="checkbox"/> Unit Wt. 212							
										Avg					<input type="checkbox"/> Organic Impurities 213							
										Ret.					<input type="checkbox"/> Soundness 214							
										No. 4 =					<input type="checkbox"/> Relative Compaction 216							
										Wet					<input type="checkbox"/> Sand Equivalent 217							
										Wet					<input type="checkbox"/> Moisture Content 226							
										Wet					<input type="checkbox"/> Cleaness Value 227							
										Wet					<input type="checkbox"/> Durability Fine 229		Max. Dry Density (pcf)					
										Wet					<input type="checkbox"/> Durability Coarse 229		Opt. Moist Content (%)					
										Wet					<input type="checkbox"/> Flak & Elongated ASTM D 4791		Requested by: Ali Taha					
										Wet					<input checked="" type="checkbox"/> R-Value 201		909-888-2080					
										Wet					<input type="checkbox"/> Fine Agg Angularity AASHTO T 304							
										Wet					<input type="checkbox"/> Mortar Strength 515							
										Wet					<input type="checkbox"/> pH (RC) 532							
										Wet					<input type="checkbox"/> Resistivity (RC) 532							
										Wet					<input checked="" type="checkbox"/> pH (C/MF) 643							
										Wet					<input checked="" type="checkbox"/> Resistivity (C/MF) 643							
										Wet					<input type="checkbox"/> Expansion Index UBC-29-2							
										Wet					<input type="checkbox"/> Max. Dry Density ASTM D 1557							
										Wet					<input type="checkbox"/> Opt. Moist Content							
MECH. HYDRO. R Corr. C.R. Meth. Sta. Comb. % in 5m										pH RESISTIVITY					<input type="checkbox"/> pH (C/MF) 643							
1hr. 5M										Soil pH Field Lab					<input checked="" type="checkbox"/> Resistivity (C/MF) 643							
2hr. 1M										H2O 5.97					<input type="checkbox"/> Expansion Index UBC-29-2							
										Min. Resistivity 6143					<input type="checkbox"/> Max. Dry Density ASTM D 1557							
SAND EQUIVALENT MIN. SPEC										Based on 18 gauge C.M.P.					<input type="checkbox"/> Opt. Moist Content							
Sand R2										Estimated life: 53 yrs.												
Clay RI										CLEANNESS VALUE												
S.E. Value										NL SED. HT. RESULT												
L.A.R.T. Ret. Wt. Wt. Ret. % Ret. % Loss % SPEC										FILM STRIPPING ORGANIC IMPURITIES												
A B 100 5000g										Satisfactory												
C D 500 5000g										Unsatisfactory												
No. of spheres = Wt. of spheres =										SSD = B / (B - C)												
DURABILITY INDEX SPEC										OD = A / (B - C)												
Dura-Coarse Sed.Ht. =																						
Dura-Fine R2/R1 =																						
										SPECIFIC GRAVITY OF SOILS												
										Wt Oven Dry Soil (Wo)												
										Wt Pycnometer + H2O (Wp)												
										Wt Pycnometer + H2O + Sol (Ws)												
										Wo' (Wo - Ws - Wb)												
										Wo Spec.												
										Ws Grav.												
										Wb												
										CONTRACT NO.												
										LAB. NO.												

SP-482-020 09-03 '13 Rev. 02 10 11 11

### Gradation Analysis Test Results



Sample ID: ● 1 ● 2 ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●



Engineering Service Center  
Division of Materials and Foundations  
Office of Roadway Geotechnical  
Engineering - South

PROJECT: Rte 178
EA: 08- 1F470
D-CO-RT: 08-SBd-178- PM 0.0 / 14.8
TEST DATE: Jun. 30, 2014

Soil Classification	Sample 4173B PM 5.0 Silty Sand : SM	Sample 4172B PM 10.0 Poorly Graded Sand with Silt : SP-SM
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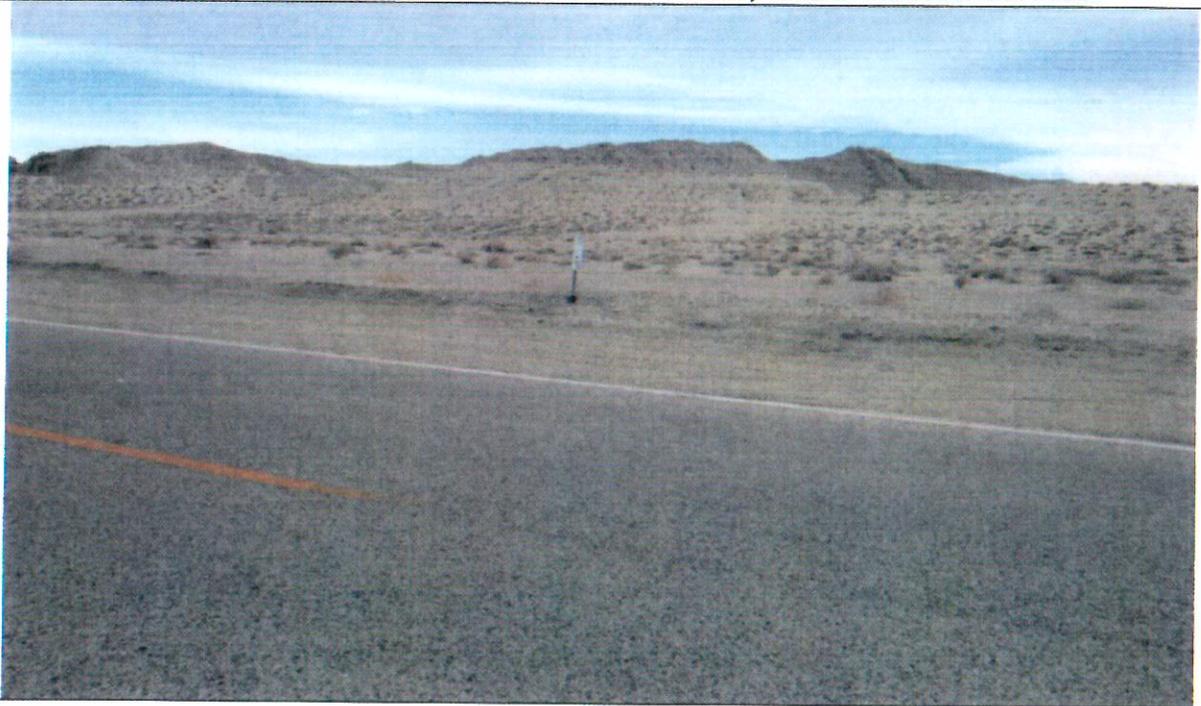


Core # 1 Rte 178 PM 14.7 W/B # 1 Lane, Total Thickness 0.68'





Core # 2 Rte 178 PM 13.5 E/B # 1 Lane, Total Thickness 0.69'





Core # 3 Rte 178 PM 13.0 W/B # 1 Lane, Total Thickness 0.70'





Core # 4 Rte 178 PM 12.5 W/B # 1 Lane, Total Thickness 0.44'





Core # 5 Rte 178 PM 12.0 E/B # 1 Lane, Total Thickness 0.60'



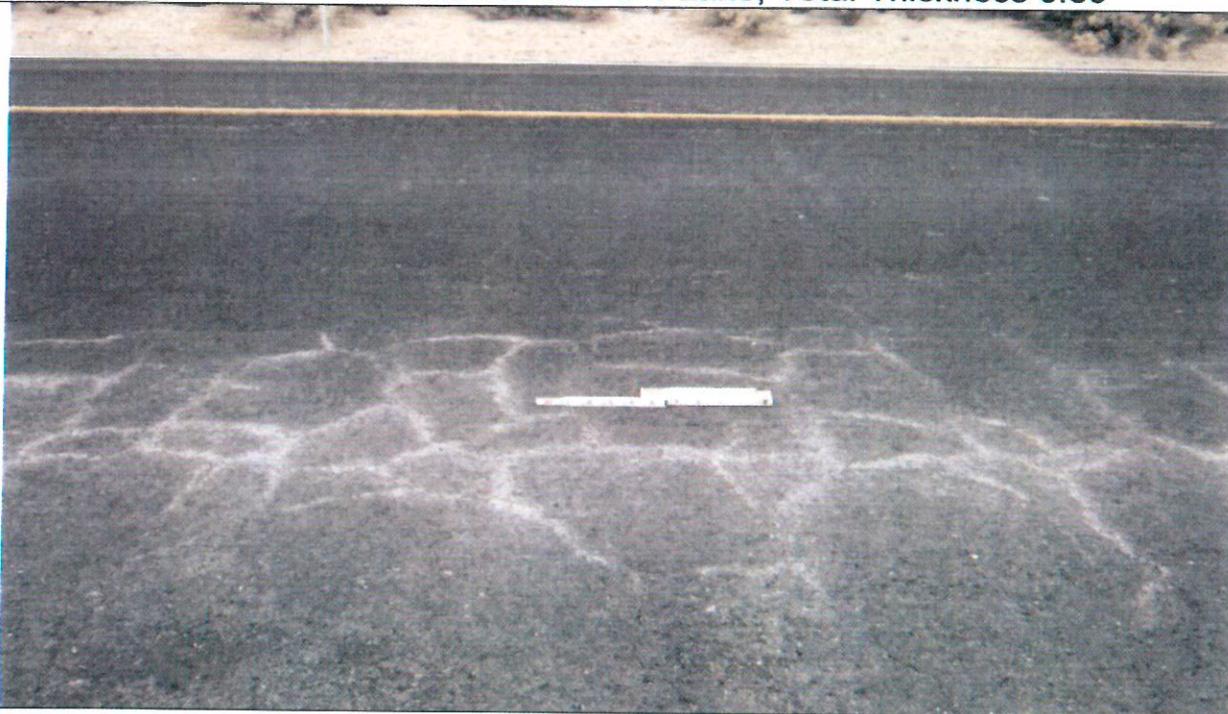


Core # 6 Rte 178 PM 10.0 W/B # 1 Lane, Total Thickness 0.44'





Core # 7 Rte 178 PM 9.0 W/B # 1 Lane, Total Thickness 0.59'





Core # 8 Rte 178 PM 8.0 E/B # 1 Lane, Total Thickness 0.40'





Core # 9 Rte 178 PM 7.0 W/B # 1 Lane, Total Thickness 0.57'





Core # 10 Rte 178 PM 6.5 W/B # 1 Lane, Total Thickness 0.34'





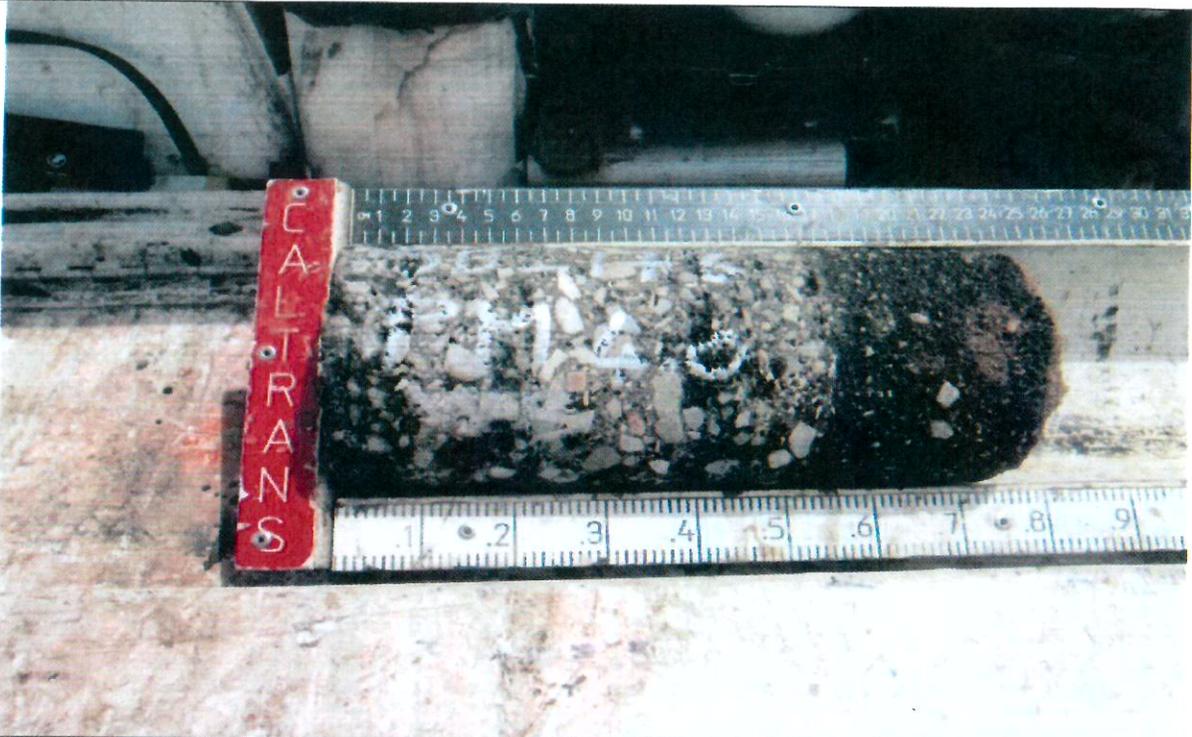
Core # 11 Rte 178 PM 6.0 E/B # 1 Lane, Total Thickness 0.47'





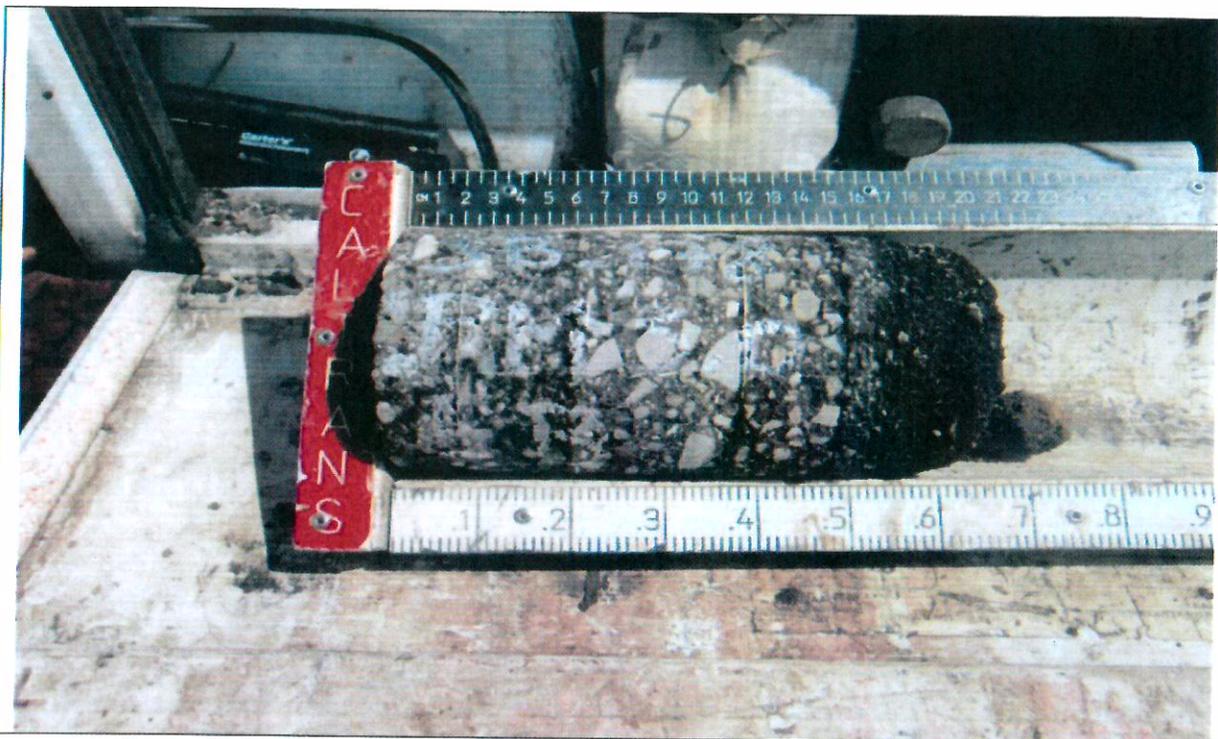
Core # 12 Rte 178 PM 5.0 W/B # 1 Lane, Total Thickness 0.63'





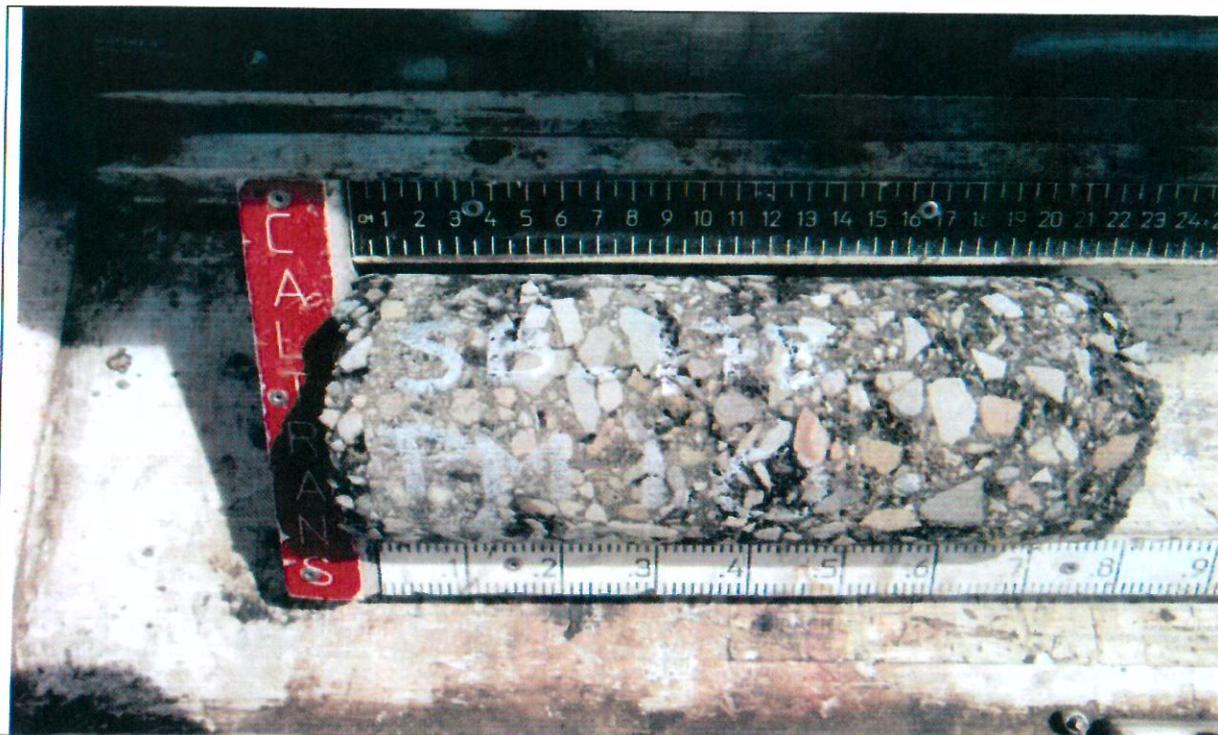
Core # 13 Rte 178 PM 4.0 W/B # 1 Lane, Total Thickness 0.54'





Core # 14 Rte 178 PM 3.0 E/B # 1 Lane, Total Thickness 0.68'





Core # 15 Rte 178 PM 1.0 W/B # 1 Lane, Total Thickness 0.80'



document, leading to a Mitigated Negative Declaration. In conjunction with documenting compliance with NEPA requirements, the class of action determination for the proposed project will be made in consultation with the Caltrans headquarters Environmental Coordinator assigned to District 8. It is anticipated that an Environmental Assessment (EA) will be identified as the appropriate type of environmental document, leading to a Finding of No Significant Impacts. Consistent with Caltrans requirements, the Initial Study and Environmental Assessment will be prepared as a combined Environmental Document (IS/EA).

If the scope of work (including utility relocation requirements—if any) or limits for this project change, prior to completion of the Project Approval & Environmental Document (PA&ED) Phase, during the Plans, Specifications and Estimates (PS&E) phase, or during the Construction phase, a determination must be made by the District's Division of Environmental Planning, as to whether the environmental compliance documentation for CEQA and NEPA remains sufficient and valid. In conjunction with confirming if the environmental documentation for CEQA compliance and NEPA compliance documentation remains sufficient and complete, additional Technical Studies may be required, and/or existing Technical Studies may need to be revised, and/or performance of an Environmental Re-Evaluation may be required. The type of documentation for CEQA compliance and NEPA compliance required for the project may be changed as a result.

It is required that the Environmental Commitments Record (ECR) prepared in conjunction with completion of the PA&ED phase (included as an appendix in the Caltrans approved Environmental Document for this project), be referenced and completed timely throughout the PS&E and Construction phases of the project, and updated as necessary based on direct coordination with the Caltrans Environmental Planner Generalist and Caltrans Senior Environmental Planner assigned to the project. The Caltrans Senior Environmental Planner assigned to the project is responsible for approving changes to the ECR.

An Environmental Certification will be required at the end of the PS&E phase, and a Certificate of Compliance (CEC) will be required following completion of construction of the project.

#### **10. Disclaimer**

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, considerations, and estimates of mitigation costs are based on the project description provided in the Project Study Report – Project Development Support (PSR-PDS) document prepared for the proposed project. The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR will be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

### 11. List of Preparers

Cultural Resources specialists Stephanie Foell and Esther Read, Parsons Brinckerhoff	Date: 4/9/2014
Biology specialist Stephanie Oslick, Parsons Brinckerhoff	Date: 4/9/2014
Community Impacts specialists Jessica Wilkinson and Maisoon Afaneh, Parsons Brinckerhoff	Date: 2/3/2014
Noise and Vibration specialist Kevin Keller, Parsons Brinckerhoff	Date: 4/9/2014
Air Quality specialists Alice Lovegrove and Melissa Livingston, Parsons Brinckerhoff	Date: 4/9/2014
Paleontology specialist/liaison Eric Scott, San Bernardino County Museum	Date: 4/9/2014
Water Quality specialist Jessica Wilkinson, Parsons Brinckerhoff	Date: 10/22/2013
Hydrology and Floodplain specialist Jessica Wilkinson, Parsons Brinckerhoff	Date: 10/22/2013
Hazardous Waste/Materials specialist Kristin Stout, Leighton Consulting, Inc.	Date: 10/22/2013
Visual/Aesthetics specialist Theresa Dickerson, Parsons Brinckerhoff	Date: 2/4/2014
Energy and Climate Change specialists Alice Lovegrove and Melissa Livingston, Parsons Brinckerhoff	Date: 4/9/2014
Geology, Soils, Seismic and Topography Dave VanGoethem, Parsons Brinckerhoff	Date: 10/22/2013
Context Sensitive Solutions Valerie Birch, Parsons Brinckerhoff	Date: 4/9/2014
Farmland Jessica Wilkinson, Parsons Brinckerhoff	Date: 10/22/2013
Cumulative Impacts Maisoon Afaneh, Parsons Brinckerhoff	Date: 2/3/2014
PEAR Preparer (Name and Title) Maisoon Afaneh, Lead Planner, Parsons Brinckerhoff	Date: 4/9/2014
PEAR QA/QC Stephanie Oslick, Parsons Brinckerhoff	Date: 4/9/2014

**12. Review and Approval**

I confirm this PEAR has been satisfactorily completed, based upon the project information provided in the corresponding PSR-PDS document prepared for this project. Based upon the project scope, as identified in the corresponding PSR-PDS, it is expected that NEPA compliance will be achieved through completion of a routine EA, complex EA, or EIS. I verify that the Caltrans HQ DEA Coordinator has been consulted regarding the project information provided and concurrence in the Class of Action is anticipated.

  
\_\_\_\_\_

Environmental Branch Chief

Date: 9-9-14

  
\_\_\_\_\_

Project Manager

Date: 9-9-14

**ATTACHMENTS:**

**Attachment A: PEAR Environmental Studies Checklist**

**Attachment B: Estimated Resources by WBS Code – NA**

**Attachment C: Schedule (Gantt Chart) To be initially established at beginning of PA&ED phase**

**Attachment D: PEAR Environmental Commitments Cost Estimate (Standard PSR) – (PSR/PDS prepared, NA)**

## Attachment A: PEAR Environmental Studies Checklist

Rev. 11/08

<b>Environmental Studies for PA&amp;ED Checklist</b>					
	Not anticipated	Memo to file	Report required	Risk* L M H	Comments
Land Use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	Part of CIA
Growth	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
Farmlands/Timberlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	Part of CIA
Community Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	Part of CIA
Community Character and Cohesion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	Part of CIA
Relocations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Environmental Justice	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	Part of CIA
Utilities/Emergency Services	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	Part of CIA
Visual/Aesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	VIA
Cultural Resources:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	
Archaeological Survey Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
Historic Resources Evaluation Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	
Historic Property Survey Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	APE and HPSR
Historic Resource Compliance Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Section 106 / PRC 5024 & 5024.5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
Native American Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	
Finding of Effect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	No Adverse Effect
Data Recovery Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Memorandum of Agreement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Other:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Hydrology and Floodplain	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	At minimum, LHS and SFER
Water Quality and Stormwater Runoff	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	Scoping Questionnaire Require, preparation of WQAR contingent upon results
Geology, Soils, Seismic and Topography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	
Paleontology	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>M</b>	
PER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
PMP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
Hazardous Waste/Materials:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
ISA (Additional)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	Asbestos Containing Materials, Lead-based Paint, Aerially Deposited Lead
PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>L</b>	
Other:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	
Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	Documentation for TCWG Requirement, Air Quality Conformity Analysis
Noise and Vibration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>H</b>	
Energy and Climate Change	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>L</b>	Climate Change per current AO Guidance

### Environmental Studies for PA&ED Checklist

	Not anticipated	Memo to file	Report required	Risk*			Comments
				L	M	H	
<b>Biological Environment</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>H</b>	
Natural Environment Study	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>H</b>	
Section 7:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>H</b>	
Formal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	
Informal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>M</b>	
No effect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>H</b>	
Section 10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
USFWS Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>M</b>	
NMFS Consultation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
Species of Concern (CNPS, USFS, BLM, S, F)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>H</b>	
Wetlands & Other Waters/Delineation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>M</b>	
404(b)(1) Alternatives Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	
Invasive Species	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	
Wild & Scenic River Consistency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
Coastal Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
HMMP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
DFG Consistency Determination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	
2081	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	
Other:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<b>M</b>	MSHCP and DBESP may be required
<b>Cumulative Impacts</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>M</b>	
<b>Context Sensitive Solutions</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>L</b>	Part of VIA and CIA
<b>Section 4(f) Evaluation</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	TBD during PA&ED
<b>Permits:</b>							
401 Certification Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>H</b>	
404 Permit Coordination, IP, NWP, or LOP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>H</b>	
1602 Agreement Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>H</b>	
Local Coastal Development Permit Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
State Coastal Development Permit Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
NPDES Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<b>H</b>	
US Coast Guard (Section 10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
TRPA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	
BCDC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<b>L</b>	